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<p>Substitute for form 1449/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>May 2, 2007</p> <p>(use as many sheets as necessary)</p>				<p>Complete If Known</p>	
Sheet	1	of	7	Application Number	10/567,091
				Filing Date	02/03/2006
				First Named Inventor	Oliver Griesbeck et al.
				Art Unit	1656
				Examiner Name	Unassigned
				Attorney Docket Number	085449-0185

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		EP 1 238 982 A1	09/11/2002	Miyawaki et al.		

NON PATENT LITERATURE DOCUMENTS

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	A1	Zhang et al., "Creating new fluorescent probes for cell biology," <i>Nat. Rev. Mol. Biol.</i> 3, pp. 906-918 (2002).	
	A2	Miyawaki et al., "Fluorescent Indicators for Ca^{2+} based on green fluorescent proteins and calmodulin," <i>Nature</i> 388, pp. 882-887 (1997).	
	A3	Miyawaki et al., "Dynamic and quantitative calcium measurements using improved cameleons," <i>Proc. Natl. Acad. Sci. USA</i> 96, 2135-2140 (1999).	
	A4	Truong et al., "FRET-based <i>in vivo</i> Ca^{2+} imaging by a new calmodulin-GFP fusion molecule," <i>Nat. Struct. Biol.</i> 8, 1069-1073 (2001).	
	A5	Baird, et al., "Circular permutation and receptor insertion within green fluorescent proteins," <i>Proc. Natl. Acad. USA</i> 96, 11241-11246 (1999).	
	A6	Nagai et al., "Circularly permuted green fluorescent proteins engineered to sense Ca^{2+} " <i>Proc. Natl. Acad. Sci. USA</i> 98, pp 3197-3202 (2001).	

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	A7	Nakai et al., "A high signal-to-noise Ca ²⁺ probe compound of a single green fluorescent protein," <i>Nat. Biotechnol.</i> 19, 137-141 (2001).		
	A8	Griesbeck et al., "Reducing the environmental sensitivity of yellow fluorescent protein: mechanism and applications," <i>J. Biol. Chem.</i> 276, 29188-29194 (2001).		
	A9	Reiff et al., "Differential regulation of active zone density during long-term strengthening of Drosophila neuromuscular junctions," <i>J. Neurosci.</i> 22, 9399-9409.		
	A10	Kerr et al., "Optical imaging of calcium transients in neurons and pharyngeal muscle of <i>C. elegans</i> ," <i>Neuron</i> 26, 583-594.		
	A11	Fiala et al., "Genetically expressed cameleon in <i>Drosophila melanogaster</i> is used to visualize olfactory information in projection neurons, <i>Curr. Biol.</i> 12, 1877-1884, (2002).		
	A12	Jurado, et al., "Apocalmodulin," <i>Physiol. Rev.</i> 79, 661-682 (1999).		
	A13	Saimi et al., "Calmodulin as an ion channel subunit," <i>Ann. Rev. Physiol.</i> , 64, 289-311 (2002).		
	A14	Benaim, et al., "Phosphorylation of calmodulin," <i>Eur. J. Biochem.</i> , 269, 3619-3725 (2002).		
	A15	Witchlow et al., "An improved linker for single-chain Fv with reduced aggregation and enhanced proteolytic stability," <i>Prot. Engineering</i> , 6: 989-995, (1993).		
	A16	Tsien et al., Measurement of Cytosolic Free Ca ²⁺ with Quin2, <i>Methods Enzymol.</i> , 172: 230-244 (1989).		
	A17	Tsien, "The green fluorescent protein," <i>Ann. Rev. Biochem</i> 67: 509-544 (1998).		
	A18	Matz et al., "Fluorescent proteins from nonbioluminescent Anthozoa species," <i>Nat. Biotechnol.</i> , 17: 969-973 (1999).		
	A19	Wiedenmann et al., "Cracks in the β -can: Fluorescent proteins from <i>Anemonia Sulcata</i> (Anthozoa, Actinaria)", <i>Proc. Natl. Acad. Sci.</i> , 97: 14091-14096 (2000).		

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	A20	Labas et al., "Diversity and evolution of the green fluorescent protein family," <i>Proc. Natl. Acad. Sci.</i> , 99: 4256-4261 (2002).		T ⁶
	A21	Karasawa et al., A green emitting fluorescent protein from Galaxeidae coral and its monomeric version for use in fluorescent labeling, <i>J. Biol. Chem.</i> , pp. 1-23, Figs. 1-8, Tab. 1, (2003).		
	A22	Shagin et al., "GFP-like proteins as ubiquitous metazoan superfamily: evolution of functional features and structural complexity," <i>Mol. Biol. Evol.</i> 21 (5): 841-50 (2004).		
	A23	Gurskaya et al., "GFP-like chromoproteins as source of far-red fluorescent proteins," <i>FEBS Lett.</i> , 507: 16-20 (2001).		
	A24	Wiedenmann et al., "A far red fluorescent protein with fast maturation and reduced oligomerization tendency from <i>Entacmaea quadricolor</i> (Anthozoa, Actinaria)," <i>Proc. Natl. Acad. Sci.</i> , 99: 11646-11651 (2002).		
	A25	Kendall et al., "Targeting aequorin to the endoplasmic reticulum of living cells," <i>Biochem, Biophys. Res. Commun.</i> 189: 1008-1016, (1992).		
	A26	Mattaj et al., "Nuclear cytoplasmic transport: the soluble phase," <i>Annu. Rev. Biochem.</i> , 67: 265-306 (1998).		
	A27	Lithgow, "Targeting of proteins to mitochondria," <i>FEBS Letters</i> , 476: 22-26 (2000).		

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	A28	Hurt et al., "The first twelve amino acids (less than half of the pre-sequence) of an imported mitochondrial protein can direct mouse cytosolic dihydrofolate reductase into the yeast mitochondrial matrix, <i>Embo J.</i> , (1985) 4: 2061-2068.	
	A29	Llopis et al., <i>Proc. Natl. Acad. Sci., USA</i> (1999) 95 (12): 6803-8.	
	A30	Gould et al., <i>J. Cell Biol.</i> (1987) 105:2923-2931.	
	A31	Osumi et al., <i>Biochem. Biophys. Res. Commun.</i> , (1991) 181:947-954.	
	A32	Moriyoshi et al., "Neuron, (1996), 16:255-260.	
	A33	Niethammer et al., <i>J. Neurosci.</i> , (1996) 16:2157-63.	
	A34	Le Maout et al., <i>Proc. Natl. Acad. Sci., USA</i> (2001), 98:10475-10480.	
	A35	Hung et al., <i>J. Biol. Chem.</i> , (2001), 277:5699-5702.	

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	A36	Bennett et al., <i>Science</i> , (1992) 257:255-259.		
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	A40	Mumberg et al., <i>Nucl. Acids Res.</i> , (1994), 22:5767-5768.		
	A41	Schlesinger, <i>Trans. Bio. Technol.</i> , (1993) 11(1):18-22.		
	A42	He et al., <i>Proc. Natl. Acad. Sci., USA</i> (1998), 95:2509-2514.		
	A43	Caroni, "Overexpression of Grown-Associated Proteins in the Neurons of Adult Transgenic Mice, 1997, <i>J. Neurosci. Methods</i> , 71:3-9.		

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	A44	Mayford et al., <i>Science</i> , (1996), 275:1678-1683.		
	A45	Toggas et al., <i>Nature</i> , (1994), 367:188-193.		
	A46	Mack et al., <i>Circ. Res.</i> (1999), 84: 852-861.		
	A47	Herrera et al., <i>Mol. Cell Endo</i> (1998) 140:45-50.		
	A48	Nagy et al., "Manipulating the Mouse Embryo, Production and Transgenic Mice," A Laboratory Manual, (1994), pp. 289-299.		
	A49	Albanese et al., "Recent advances in inducible expression in transgenic mice," (2002), <i>Semin. Cell. Dev. Biol.</i> , 13:129-41.		
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	A53	Bechtold et al., C.R. Acad. Sci. (1993), 316:1194-1199.		
	A54	McNamee, "Isolation and Characterization of Cell Membranes, Biotechnology 7: 466-475 (1989).		
	A55	Joost et al., "Subcellular Fractionation of Adipocytes and 3T3 L1 Cells," Meth. Mol. Biol., 155:77-82.		
	A56	Grynkiewics et al., "A New Generation of Ca ²⁺ Indicators with Greatly Improved Fluorescence Properties," J. Biol. Chem., 260, 3440-3450 (1985).		
	A57	Sambrook et al., "Molecular Cloning," 3 rd ed. (2001), CSHL Press, Cold Spring Harbor, Chap. 5., pp. 84-87.		
	A58	Taketo, "FVB/N: An inbred Mouse Strain Preferable for Transgenic Analyses," Proc. Natl. Acad. Sci. USA, (1991), 88 (6): 2065-9.		
	A59	DATABASE UniProt "Online", (1996) XP002309312.		

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